SECTION 4: Operating Keyboard

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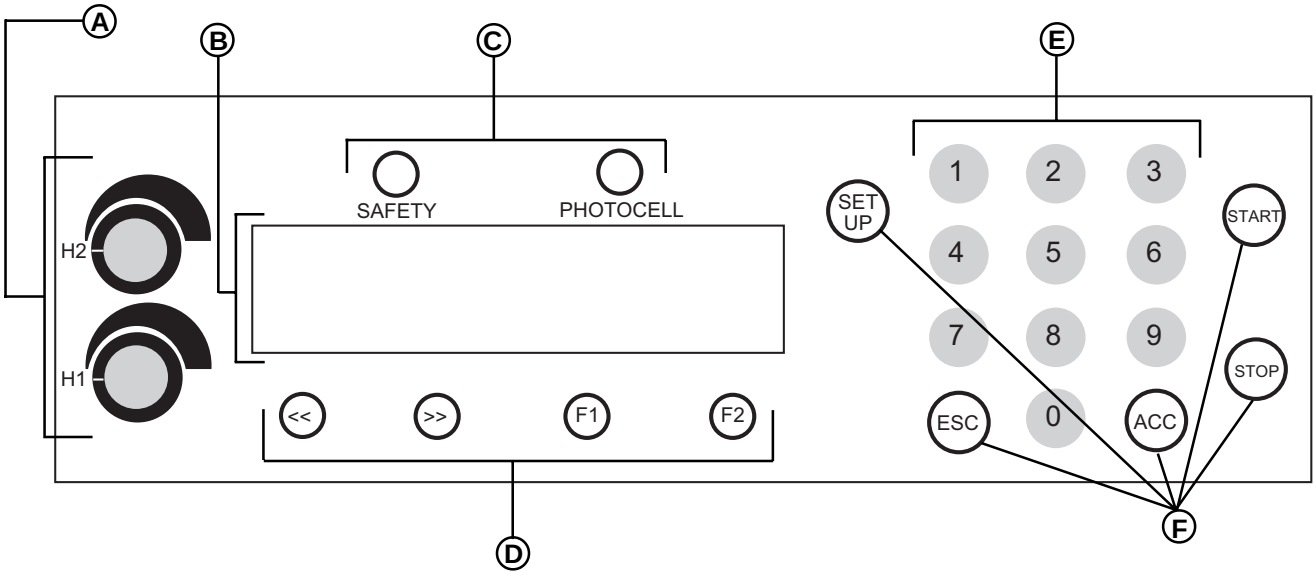
Operating Keyboard

1. Overview

The Operating Keyboard is comprised of a two-line LCD display area, nine function buttons, two Impression Control knobs, and a numeric keypad.



Ⓐ **Impression control knobs:** The Impression control knobs control the crash strength of the Numbering Heads. By default, these knobs should be left at their lowest settings and adjusted upwards as required. Adjustment can be made both while the machine is idle and during operation.

Ⓑ **LCD display area:** Machine and job information is displayed in this two-line LCD area. Information on the second line of the display corresponds to the actions of the LCD function buttons located directly beneath this area.

Ⓒ **Indicator lights:** There are two Indicator lights. The Safety light is red and will stay lit as long as the Perf Shield is open or the Emergency Stop button is activated. The Photocell light is green and will stay lit when no paper is detected by the Photocell.

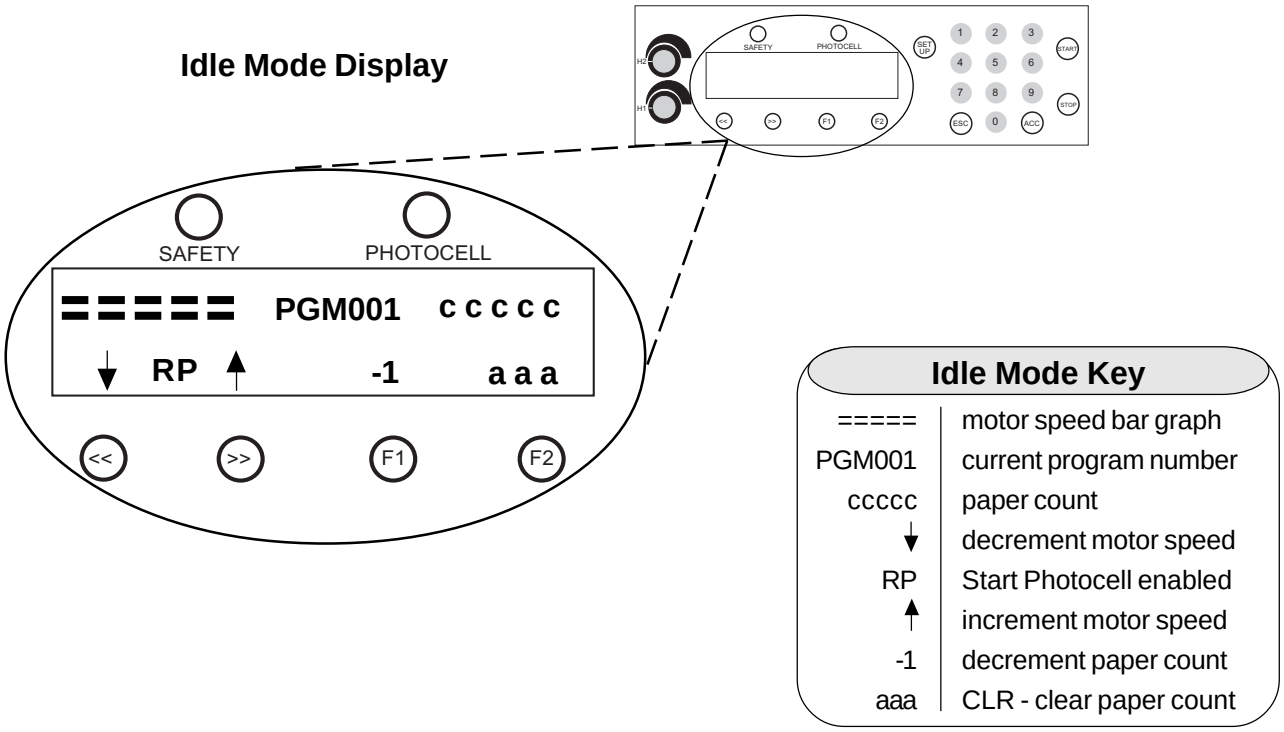
Ⓓ **LCD function buttons:** There are four buttons located directly under the LCD display. They are labelled "<<", ">>", "F1", and "F2". These buttons will perform whatever function is shown directly above them on the bottom line of the LCD Display.

Ⓔ **Numeric keypad:** These buttons are used during job programming.

Ⓕ **Function buttons:** The function buttons are situated around the numeric keypad. They are labelled '**ESC**' (escape), '**ACC**' (accept), '**START**', '**STOP**', and **SET UP**. The '**ESC**' button can be used at almost any time (except during actual running) in order to return to the previously viewed menu. The functions of the rest of the buttons will be discussed later.

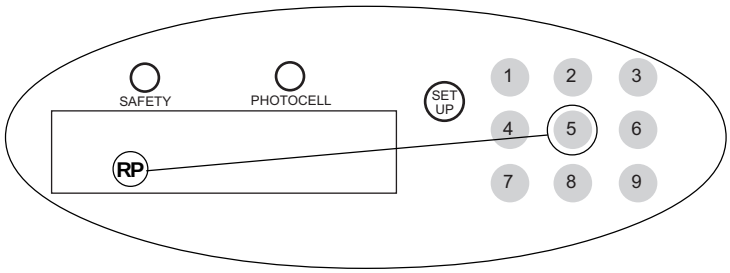
2. Idle Mode

When the PS8050 is turned on, it initializes and enters the Idle Mode. From the Idle Mode menu, you can change the motor speed, clear your paper count, or select a program.



Upon entering Idle Mode, Program 01 (PGM001) is selected by default. Press the START button on the Risograph to automatically begin Program 01 or SETUP to select a new program.

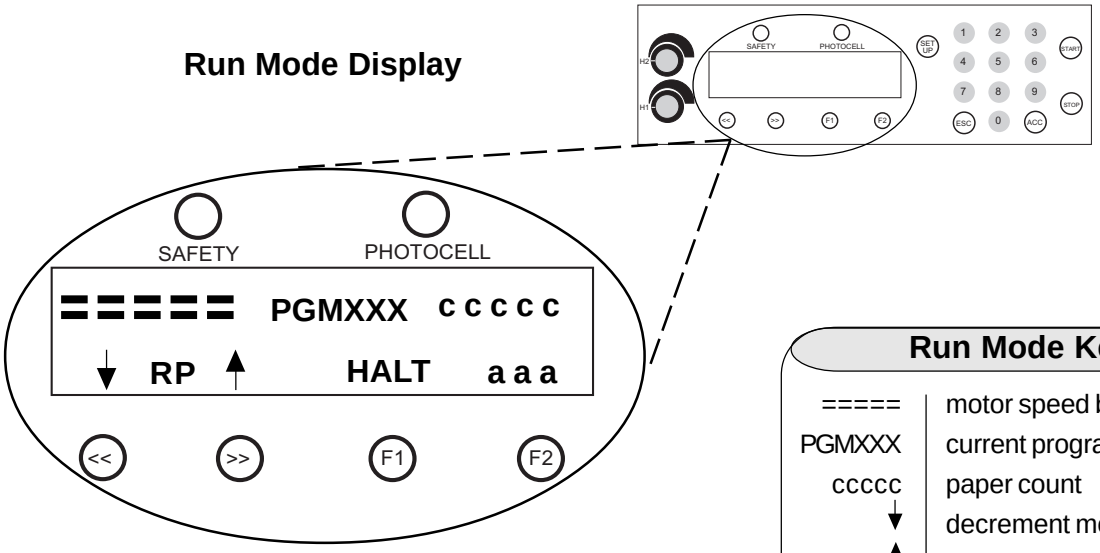
Note: The "5" digit on the numeric keypad will toggle the Start Photocell on and off. When the Start Photocell is activated, the letters "RP" will appear on the bottom line of the LCD display. This is the default setting and indicates that the PS8050 will automatically start when the first piece arrives from the Risograph.



3. Run Mode

Once a program has been selected, push START on the Risograph. The PS8050 will enter Run Mode as the job begins processing.

Run Mode Display



Run Mode Key

=====	motor speed bar graph
PGMXXX	current program number
ccccc	paper count
↓	decrement motor speed
↑	increment motor speed
HALT	motor emergency stop
aaa	CLR - clear paper count

Keypad Function

Button	Function
<<	decrement motor speed
>>	increment motor speed
F1	motor emergency stop, exit to Idle Mode
F2	clear paper count
STOP	complete numbering, eject current sheet, stop motor, exit to Idle Mode
START	N/A
ACC	motor emergency stop, exit to Idle Mode
SETUP	motor emergency stop, exit to Idle Mode
0-9 keys	motor emergency stop, exit to Idle Mode

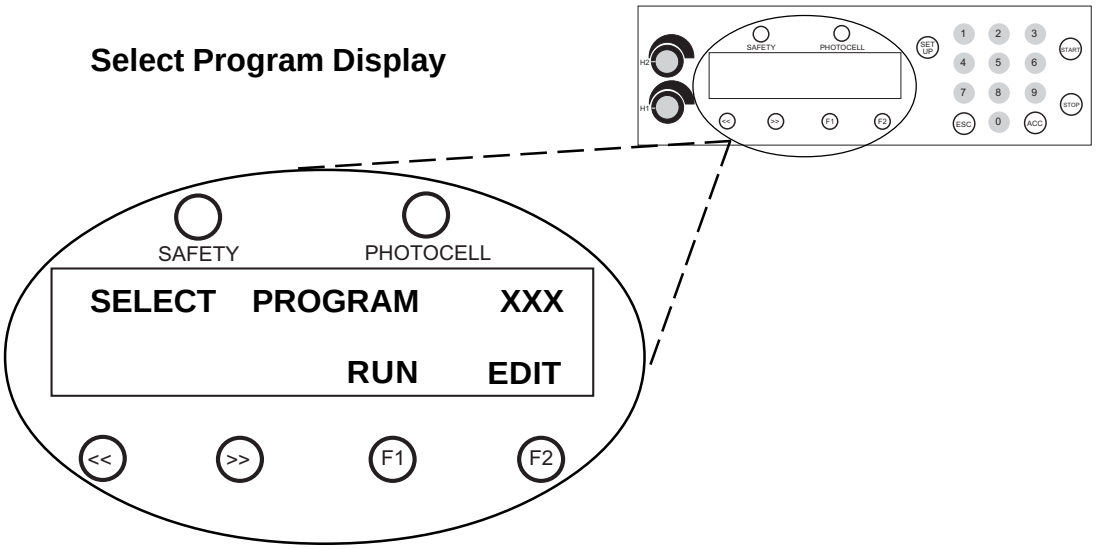
4. Stopping a Job

There are several ways to stop a job in progress.

1. Press the STOP button, the 0-9 keys, F1, STOP, ACC, or ESC. The machine will finish the stock it is currently working on, move the next piece into the starting position, stop the motor, and enter Idle Mode.
2. Press the red Emergency Stop button located to the right of the keyboard. The machine will stop immediately.
3. Stop the Risograph. After about one second, the machine will stop automatically since it no longer detects new sheets.

5. Changing Progams

To change programs, enter Idle Mode and press the SET UP button. The following screen will appear:



At this point, any number between 00 and 99 can be selected. Note that Program 00 turns off the Numbering Heads and should be used when you need to perf/slit/score only. Programs 01-99 should be used for all numbering applications.

Once you have selected a program number, press RUN to move forward with the program or EDIT to make changes.

If RUN is selected, the machine will exit to Idle Mode and wait for you to press START (the ESC key will also return you to Idle Mode in case you wish to change the counter before beginning a job).

6. Programming a Job

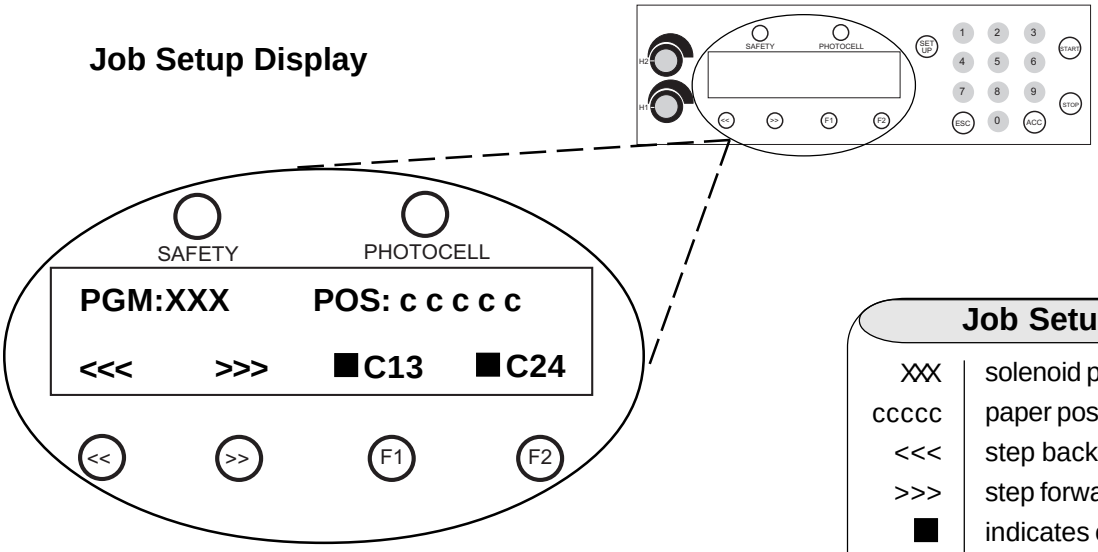
After selecting a program number, press EDIT. One of the following will occur:

1. If the program number does not belong to an existing program, the message “INSERT PAPER/PRESS START” will appear.

2. If the program number is already dedicated to an existing program, a menu will appear in which you must choose to start new (NEW) or modify (MOD) the existing program. Once this selection is made, the message “INSERT PAPER/PRESS START” will appear.

Insert a sheet of paper and press START. The paper is automatically moved to position ‘75’ and the Job Setup Display appears.

Job Setup Display



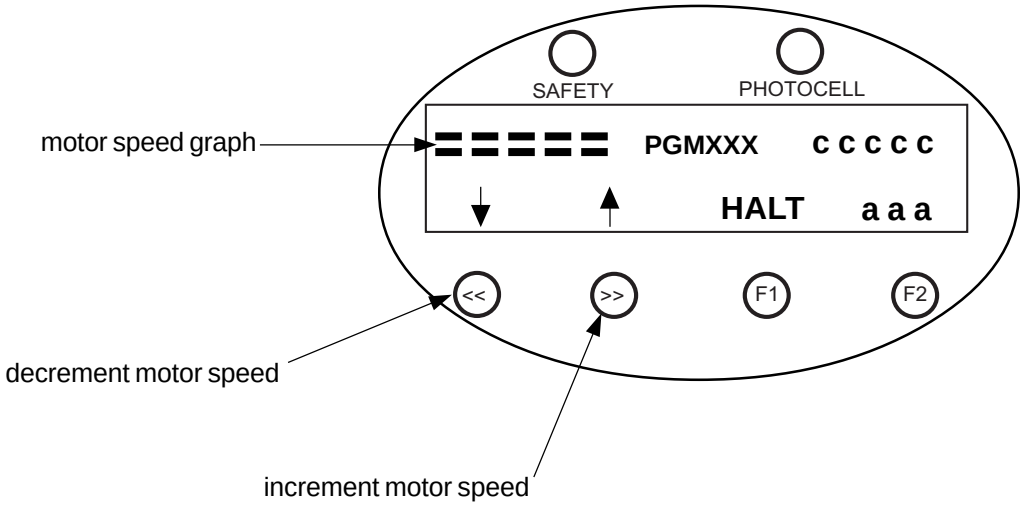
Job Setup Key

XXX	solenoid program number
ccccc	paper postion
<<<	step back one position
>>>	step forward one position
■	indicates confirmed hit
C1	channel 1 head 1
3	channel 1 head 2
C2	channel 2 head 1
4	channel 2 head 2

Use the “<<“ and “>>” function buttons to step the paper backward and forward. When you reach the desired position, press “F1” and/or “F2” to fire the head and lock the positon into memory. A black box will appear to the left of the selected head. Pressing the “F1” or “F2” button again will remove the position from memory and the black box will disappear. The “3” and “4” keys on the numeric keypad are used to select the second head on each channel. In the example above, all four heads have been selected.

■ C1	C2	channel one, head one selected
C1	■ C2	channel two, head one selected
■ C13	C2	channel one, heads one and two selected
C1	■ C24	channel two, heads one and two selected
■ C13	■ C24	channels one and two, heads one and two selected

Once your hits have been programmed, press the ACC button. The current sheet will be discharged and you will be instructed to “INSERT PAPER/PRESS START”. When this is done, the LCD display will return to the Idle Mode and wait for you to start the job. Press the START button to begin.

7. Motor Speed Control

Motor Speed can be adjusted while the machine is running or idle. This function is performed by using the first two LCD Function buttons when you are in the main operating menu.